



CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: San Bernardino Municipal Water Department PWS ID: 3610039

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Ted Brunson (Associate Engineer), Devin Arciniega (Water Conservation / Public Affairs Coordinator)

Validation Date: 9/29/2017 Call Time: 8:00 AM Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 57 Data Validity Band (Level): Band III (51-70)

ILI: 2.31 Real Loss: 43.02 (gal/conn/day) Apparent Loss: 22.02 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 6.3%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. oximes

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP







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<u>Water System Name</u>: San Bernardino Municipal Water Dept. <u>Water System ID Number</u>: 3610039 <u>Water Audit Period</u>: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

No specific steps to increase data validity were taken outside of SBMWD's standard operating procedures and practices during this reporting period.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, Water Audits and Loss Control Programs, Manual M36, Fourth Edition and in the Free Water Audit Software version 5.

Migrel Guernero

Executive Name (Print)

Executive Position

Signature

Date



